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RAW SEQUENCE LISTING

DATE: 07/09/2003

PATENT APPLICATION: US/09/830,111D

TIME: 09:22:53

Input Set : A:\21581-265.seq.ST25.txt

Output Set: N:\CRF4\07092003\I830111D.raw

3 <110> APPLICANT: Kaneka Corporation
 4 Matsuda, Hideyuki
 5 Kawamukai, Makota
 6 Yajima, Kazuyoshi
 7 Ikenaka, Yasuhiro
 8 Hasegawa, Junzo
 9 Takahashi, Satomi
 11 <120> TITLE OF INVENTION: Process For Producing Coenzyme Q10
 13 <130> FILE REFERENCE: 21581-00265-US
 15 <140> CURRENT APPLICATION NUMBER: 09/830,111D
 16 <141> CURRENT FILING DATE: 2001-07-23
 18 <160> NUMBER OF SEQ ID NOS: 2
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1653
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Saioella complicata
 27 <400> SEQUENCE: 1

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40	gtcaaatctt	acatccaaca	tccgatctct	cctcggttca	ggacaccctt	ctctcgacac	420
42	tgctcgctaaa	tactatgttc	agtctgaggg	aaagcatatt	cgtccgctca	tggtactgct	480
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48	gaacatgagg	tcaggacccat	taacgaagga	cggcgagatc	gagggacaga	cgtcgaatat	660
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100 Arg Leu Arg Cys Thr Pro Thr Ser Arg Pro Ser Ser Ser Trp Ala Ala
101 35 40 45
104 Ala Val Ser Ser Ala Ser Arg Leu Val Glu Pro Asp Pro Asn Gln Pro
105 50 55 60
108 Leu Ile Asn Pro Leu Asn Leu Val Gly Pro Glu Met Ser Asn Leu Thr
109 65 70 75 80
112 Ser Asn Ile Arg Ser Leu Leu Gly Ser Gly His Pro Ser Leu Asp Thr
113 85 90 95
116 Val Ala Lys Tyr Tyr Val Gln Ser Glu Gly Lys His Ile Arg Pro Leu
117 100 105 110
120 Met Val Leu Leu Met Ala Gln Ala Thr Glu Val Ala Pro Lys Val Gln
121 115 120 125
124 Gly Trp Glu Lys Val Val Glu Val Pro Val Asn Glu Gly Leu Ala Pro
125 130 135 140
128 Pro Glu Val Leu Asn Asp Lys Asn Pro Asp Met Met Asn Met Arg Ser
129 145 150 155 160
132 Gly Pro Leu Thr Lys Asp Gly Glu Ile Glu Gly Gln Thr Ser Asn Ile
133 165 170 175
136 Leu Ala Ser Gln Arg Arg Leu Ala Glu Ile Thr Glu Met Ile His Ala
137 180 185 190
140 Ala Ser Leu Leu His Asp Asp Val Ile Asp Ala Ser Glu Thr Arg Arg
141 195 200 205
144 Asn Ala Pro Ser Gly Asn Gln Ala Phe Gly Asn Lys Met Ala Ile Leu
145 210 215 220
148 Ala Gly Asp Phe Leu Leu Gly Arg Ala Ser Val Ala Leu Ala Arg Leu
149 225 230 235 240
152 Arg Asn Pro Glu Val Ile Glu Leu Leu Ala Thr Val Ile Ala Asn Leu
153 245 250 255
156 Val Glu Gly Glu Phe Met Gln Leu Lys Asn Thr Val Asp Asp Ala Ile
157 260 265 270
160 Glu Ala Thr Ala Thr Gln Glu Thr Phe Asp Tyr Tyr Leu Gln Lys Thr
161 275 280 285
164 Tyr Leu Lys Thr Ala Ser Leu Ile Ala Lys Ser Cys Arg Ala Ser Ala
165 290 295 300
168 Leu Leu Gly Gly Ala Thr Pro Glu Val Ala Asp Ala Ala Tyr Ala Tyr
169 305 310 315 320
172 Gly Arg Asn Leu Gly Leu Ala Phe Gln Ile Val Asp Asp Met Leu Asp

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176 Tyr Thr Val Ser Ala Thr Asp Leu Gly Lys Pro Ala Gly Ala Asp Leu
177          340          345          350
180 Gln Leu Gly Leu Ala Thr Ala Pro Ala Leu Phe Ala Trp Lys His His
181          355          360          365
184 Ala Glu Leu Gly Pro Met Ile Lys Arg Lys Phe Ser Asp Pro Gly Asp
185          370          375          380
188 Val Glu Arg Ala Arg Glu Leu Val Glu Lys Ser Asp Gly Leu Glu Lys
189 385          390          395          400
192 Thr Arg Ala Leu Ala Glu Glu Tyr Ala Gln Lys Ala Leu Asp Ala Ile
193          405          410          415
196 Arg Thr Phe Pro Glu Ser Pro Ala Arg Lys Ala Leu Glu Gln Leu Thr
197          420          425          430
200 Asp Lys Val Leu Thr Arg Ser Arg
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VERIFICATION SUMMARY

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